

SPACE SYSTEMS COMMAND
Media Release



SPACE SYSTEMS COMMAND
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Space Systems Command awards \$25 million for enhanced space simulation and
astrodynamics training platform

LOS ANGELES AIR FORCE BASE, Calif.—Space Systems Command (SSC) recently awarded a \$25.2 million, 39-month contract to Slingshot Aerospace, Inc. of El Segundo, California. Both SSC and SpaceWERX provided funding for the contract to acquire and host visualization and intelligence support products.

The contract is sought to develop two key products – the Slingshot Orbital Laboratory (SOLab) and the Digital Modeling & Advance Visualization Environment (DMAVE) digital twin tool.

“The intent of the SpaceWERX Strategic Funding Increase (STRATFI) program is to scale technology development over the “valley of death” by capitalizing on the most promising emerging commercial solutions to deliver better capabilities to the warfighter, faster,” said Lt. Col. Walter McMillan, director of SpaceWERX. “Each year, the STRATFI program places its ‘big bets’ on the most innovative technologies that meet critical mission gaps. Slingshot's space

education and simulation products have garnered support from across the Space Force operational and acquisition community as we see tremendous value in the technology.”

The SOLab is a space simulation platform providing visualization and integration of data, which will be fielded within the Space Force to support space education. The SOLab aims to streamline critical education and training for Guardians throughout their careers the fundamentals and advance concepts of astrodynamics.

DMAVE builds upon the SOLab modeling and design and creates a digital twin space environment for operational applications. This digital twin can integrate real-time data such as mapping of space objects and weather conditions fused with simulated data to provide users calculated projections of planned missions and analyze and respond to current and future threats.

The innovative technologies gained through this new partnership is critical to enhancing education and training within the Space Force and providing integrated space capabilities to the warfighter.

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Space Systems Command is the U.S. Space Force field command responsible for rapidly identifying, prototyping and fielding resilient space capabilities for joint warfighters. SSC delivers sustainable joint space warfighting capabilities to defend the nation and its allies while disrupting adversaries in the contested space domain. SSC mission areas include launch acquisition and operations; space domain awareness; positioning, navigation and timing; missile warning; satellite communication; and cross-mission ground, command and control and data.

Interested media representatives may submit questions regarding this topic by sending an e-mail to sscpa.media@spaceforce.mil.

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